

Name _____ Date _____

Instructions: Read each question carefully and choose the best answer.

1. On earth, which of the following is caused by the Sun?
 - Ⓐ seasons
 - Ⓑ climate
 - Ⓒ wind
 - Ⓓ all of the above
2. The length of a day on each planet _____.
 - Ⓐ is twenty-four hours
 - Ⓑ depends on how fast the planet spins
 - Ⓒ depends on the size of the planet
 - Ⓓ varies based on the size of the planet's orbit
3. In the Solar System, what do planets, comets, and asteroids have in common?
 - Ⓐ They are made of rock.
 - Ⓑ They orbit the Sun.
 - Ⓒ They are made of gas.
 - Ⓓ They orbit the Moon.
4. What is **atmosphere**?
 - Ⓐ the pull from the Sun on a planet
 - Ⓑ the group of planets orbiting the Sun
 - Ⓒ the gases that make up some planets
 - Ⓓ the gases surrounding a planet, moon, or sun
5. If the Sun were the size of a ball a man could stand in, how big would earth be?
 - Ⓐ the size of a grape
 - Ⓑ the size of a lemon
 - Ⓒ the size of a baseball
 - Ⓓ the size of a basketball
6. What detail supports the main idea that Mars is the most earth-like planet?
 - Ⓐ Both planets orbit the Sun.
 - Ⓑ Both planets have similar seasons.
 - Ⓒ Both planets are made of rock.
 - Ⓓ all of the above

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7. What is an **orbit**?
 - Ⓐ a planet outside our solar system
 - Ⓑ the large group of stars our Sun is in
 - Ⓒ an object from space that lands on earth
 - Ⓓ the path an object travels around another object
8. What detail from the text makes Saturn like Neptune and Uranus?
 - Ⓐ It is bright blue.
 - Ⓑ It has a system of rings around it.
 - Ⓒ It is the biggest, brightest object in the sky.
 - Ⓓ It is not very dense and spins very slowly.
9. What would happen if earth lost its atmosphere?
 - Ⓐ All creatures would die.
 - Ⓑ The Sun's rays would hurt humans.
 - Ⓒ More meteors would hit earth.
 - Ⓓ all of the above
10. What are **fossil fuels**?
 - Ⓐ dead plants that have turned into gas, oil, coal
 - Ⓑ old animal bones left in stone
 - Ⓒ the fuel the Sun burns
 - Ⓓ all of the above
11. **Extended Response:** Why is Jupiter like a mini-solar system?
12. **Extended Response:** explain why the Sun is or is not the most important object in the Solar System.